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Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Lurie Cancer Center's Basic Research Seminar Series

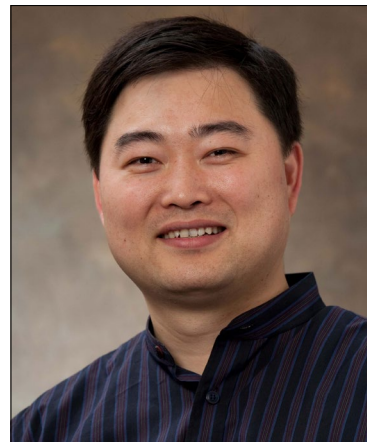
# Cell Surface Glycosylated RNAs in Immune Cells

Tuesday, February 4, 2025  
11:00 a.m. - 12:00 p.m. CT

## Baldwin Auditorium, 1st Floor

Robert H. Lurie Medical Research Center  
303 E. Superior St., Chicago, IL

Most RNAs in mammalian cells reside within the confinement of the cell membrane. Recently, a group of RNAs located on the outer cell surface was discovered including those with glycosylation modifications. Because the outer cell surface is topologically different from the cytoplasm and nucleus where RNAs are produced, the existence of these cell surface RNAs raises key questions on their stability, functions, mechanisms of production and transportation. I will present our recent findings of cell surface RNAs in hematologic cells, especially neutrophils in which cell surface glycosylated RNAs play key roles in regulating their in vivo recruitment under inflammation.



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Hosted by: Peng Ji, MD, PhD